



Attorney's Docket No.: 17299-008002

IPW 2132

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ulf Dahl Art Unit : 2132  
Serial No. : 09/840,188 Examiner : Kim, J.  
Filed : April 24, 2001  
Title : DATA SECURITY SYSTEM FOR A DATABASE

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Copies of the references listed on the attached form PTO-1449 are enclosed.

Applicant notes that he is still attempting to find copies of documents noted in his previous Information Disclosure Statement as missing: a search report from the Russian Federation; Soo, D., et al., "A protection of computers," Moscow, 1982, pp. 137-162; and (2) Spesivtcev A.V. et al., "An information protection in personal computers," Moscow, 1992, pp. 25-26. Applicant will file a supplemental Information Disclosure Statement containing these documents as soon as is practicable.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/027,585, filed on 2/23/1998. The references submitted to and/or cited by the Office in the prior application are not provided in this application. Likewise, references submitted with previous Information Disclosure Statements in this application are not duplicated here.

This statement is being filed before the receipt of a first Office Action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

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October 19, 2004

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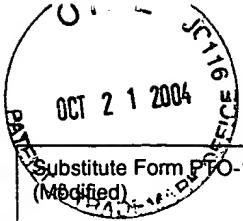
Respectfully submitted,

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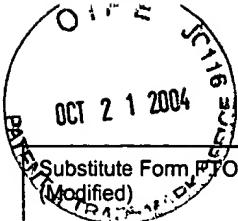
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17299-008002	Application No. 09/840,188
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Ulf Dahl	
		Filing Date April 24, 2001	Group Art Unit 2132
(37 CFR §1.98(b))			

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document	
	AA	P.A. Dwyer, et al., "Query Processing in LDV: A Secure Database System," <i>Fourth Aerospace Computer Security Applications Conference</i> , December 12-16, 1988, IEEE Computer Society Press, pp. 118-124.	
	AB	Cristi Garvey, et al., "ASD Views," Proceedings 1988 Symposium on Security and Privacy, April 18-21, 1988, pp. 85-95.	
	AC	Richard D. Graubart, et al., "Design Overview for Retrofitting Integrity-Lock Architecture onto a Commercial DBMS," Proceedings of the 1985 Symposium on Security and Privacy, April 22-24, 1985, pp. 147-159.	
	AD	Patricia A. Rougeau, et al., "The Sybase Secure Dataserver: A Solution to the Multilevel Secure DBMS Problem, 10 <sup>th</sup> National Bureau of Standards/National Computer Security Center, September 21-24, 1987, pp. 211-215.	
	AE	Billy G. Claybrook, "Using Views in Multilevel Secure Database Management System, Proceedings of the 1983 Symposium on Security and Privacy," April 25-27, 1983, pp. 4-17.	
	AF	Dorothy E. Denning, et al., "Views for Multilevel Database Security," IEEE Transactions on Software Engineering, February 1987, Vol. SE-13:2, pp. 129-140.	
	AG	Catherine Meadows, "Extending the Brewer-Nash Model to a Multilevel Context," Proceedings 1990 IEEE Computer Society Symposium on Research in Security and Privacy, May 7-9, 1990, pp. 95-102.	
	AH	Dorothy E. Denning, "Commutative Filters for Reducing Inference Threats in Multilevel Database Systems," "Proceedings of the 1985 Symposium on Security and Privacy," April 22-24, 1985, pp. 134-146.	
	AI	Elisa Bertino, "Data Hiding Security in Object-Oriented Databases," Eighth International Conference on Data Engineering, February 2-3, 1992, pp. 338-347.	
	AJ	William T. Maimone, et al., "Single-Level Multiversion Schedulers for Multilevel Secure Database Systems," 1990 IEEE, pp. 137-147.	
	AK	P.C. Yeh, et al., "ESA/390 Integrated Cryptographic Facility: An Overview," IBM Systems Journal, Vol. 30:2, 1991, pp. 193-205.	
	AL	IBM, "Application Programming and SQL Guide," IBM Database 2 Version 2, Release 3, March 1992, pp. 30-33, 48, 82, 102, 106, 286, 529.	
	AM	Stephen L. Montgomery, "Relational Database Design and Implementation Using DB2", 1990, pp. 10-11.	
	AN	Bruce L. Larson, "The Database Experts' Guide to Database 2," McGraw Hill, 1988, p. 23 & App. B.	
	AO	Deborah Downs, et al., "A Kernel Design for a Secure Data Base Management System," Proceedings Very Large Data Bases, October 6-8, 1977, pp. 507-514.	
	AP	Gary W. Smith, "Multilevel Secure Database Design: A Practical Application," IEEE, 1990, pp. 314-321.	
	AQ	Thomas H. Hinke, "The Trusted Server Approach to Multilevel Security," IEEE, 1990, pp. 335-341	
	AR	Li Gong, "A Secure Identity-Based Capability System," University of Cambridge Computer Laboratory, England, January 1989, pp. 1-16	
	AS	Sushil Jajodia, et al., "Integrating an Object-Oriented Data Model with Multilevel Security," IEEE, 1990, pp 76-85.	

Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute Form PTO-1449  
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U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.  
17299-008002

Application No.  
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**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Ulf Dahl

Filing Date  
April 24, 2001

Group Art Unit  
2132

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AT	Dorothy E. Denning, "Field Encryption and Authentication," Proceedings of Crypto 83, Advances in Cryptology, 1983, pp. 231-247.
	AU	C. C. Chang, "An Information Protection Scheme Based upon Number Theory," The Computer Journal, Vol. 30:3, 1987, pp. 249-253.
	AV	Rafial Ahad, et al., "Supporting Access Control in an Object-Oriented Database Language," Advances in Database Technology EDBT 1992, pp. 184-200.
	AW	Ravinderpal S. Sandhu, "Cryptographic Implementation of a Tree Hierarchy for Access Control," Information Processing Letters, Vol. 27:2, February 29, 1988, pp. 95-98.
	AX	Lein Harn, et al., "A Cryptographic Key Generation Scheme for Multilevel Data Security," Computers & Security, Vol. 9:6, October 1990, pp. 539-546.
	AY	Gerald C. Chick, et al., "Flexible Access Control with Master Keys," Advances in Cryptology – CRYPTO, 1989, pp. 316-322.
	AZ	Shirley Eichenwald, "Information Technologies Physician-Hospital Networks," Journal of AHIMA, Vol. 63:3, March1992, pp. 50-51.
	BA	E. John Sebes, et al., "Trusted Distributed Computing: Using Untrusted Network Software," 14 <sup>th</sup> National Computer Security Conference, October 1-4, 1991, pp. 608-618
	BB	IBM, "DB2 for OS/390 V5 Administration Guide," available at <a href="http://publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/BOOKS/DSNAG0F6/CONTENTS?SHELF=&amp;DT=2000042016534">http://publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/BOOKS/DSNAG0F6/CONTENTS?SHELF=&amp;DT=2000042016534</a> , §§ B.2, B.3.2, B.3.4, B.3.3, B.7.4, B.7.

Examiner Signature	Date Considered
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